

Permit Fact Sheet

General Information

Permit Number:	WI-0054534-09-0
Permittee Name:	Deppeler Cheese Factory
Address:	P O Box 788 W6805 DEPPELER ROAD
City/State/Zip:	MONROE WI 53566
Discharge Location:	W1/2 , SW1/4 , Section 29 Township 1 North, Range 7 East, in the Town of Clarno, Green County
Receiving Water:	Groundwaters of the Pecatonica River Basin
StreamFlow (Q _{7,10}):	NA
Stream Classification:	NA

Facility Description

Deppeler Cheese Factory (Deppeler) is an existing discharger that processes 3,000 gallons of milk per day five days a week in the production of cheese including brick and swiss Emmentaler style cheeses. The facility has a 2,000 gallon storage tank for temporary storage of industrial liquid wastewater prior to land treatment. Approximately 2,200 gallons per day of process wastewater including wash water is treated via a land treatment system with approximately 9 acres of approved spray irrigation fields. Spray irrigation is approved year round with reduced loading rates during frozen and/or snow covered ground and from December 1 to February 28.

Substantial Compliance Determination

After a desk top review of all discharge monitoring reports, annual land treatment reports, and a site visit on 10/4/2021, this facility has been found to be in substantial compliance with their current permit.

Sample Point Designation		
Sample Point Number	Discharge Flow, Units, and Averaging Period	Sample Point Location, WasteType/sample Contents and Treatment Description (as applicable)
001	2,200 gpd	Land Treatment: Discharge from outfall 001 shall be limited to process wastewater. Samples shall be taken prior to discharging to the 9 acre spray irrigation system located in the W1/2, SW1/4, Section 29 Township 1 North, Range 7 East, in the Town of Clarno, Green County.
002	No discharge during 0054534-08 permit term.	Land Application: Land spreading of Liquid Industrial Wastes (process wastewater). DEPARTMENT APPROVAL TO ACTIVATE OUTFALL 002 MUST BE RECEIVED PRIOR TO USE.

1 Land Treatment – Proposed Monitoring and Limitations

Sample Point Number: 001- Spray Irrigation

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Flow Rate		gpd	Daily	Total Daily	
Hydraulic Application Rate	Monthly Avg	5,000 gal/ac/day	Monthly	Calculated	Monthly average limit March 1 through November 30. Limit is reduced to 2,500 gal/ac/day whenever the ground is frozen or snow covered.
Hydraulic Application Rate	Monthly Avg	2,500 gal/ac/day	Monthly	Calculated	Limit effective December 1 through February 28.
Nitrogen, Total Kjeldahl		mg/L	Quarterly	Grab Comp	
Chloride		mg/L	Quarterly	Grab Comp	
Phosphorus, Total		mg/L	Quarterly	Grab Comp	
pH Field		su	Quarterly	Grab	
Nitrogen, Max Applied On Any Zone	Annual Total	300 lbs/ac/yr	Annual	Total Annual	
Chloride		lbs/ac/yr	Annual	Total Annual	

Changes from Previous Permit:

Flow rate monitoring frequency increased from quarterly to Daily.

Explanation of Limits and Monitoring Requirements

The [Monitoring Frequencies for Individual Wastewater Permits](#) guidance (April 12, 2021) recommends that standard monitoring frequencies be included in individual wastewater permits based on the size and type of the facility, in order to characterize effluent quality and variability, to detect events of noncompliance, and to ensure fairness and consistency in permits issued across the state. Case by case determinations are made. Guidance and requirements in administrative code were considered when determining the appropriate monitoring frequencies in effect during this permit term.

Flow Rate

The frequency was increased to meet the requirement of s. NR 214.14(4)(a) Wis. Adm. Code for spray irrigation treatment systems which is monitoring the daily flow of the discharge.

2 Land Application – Liquid Industrial Wastewater (industrial only)

Sample Point Number: 002- Process wastewater

Monitoring Requirements and Limitations					
Parameter	Limit Type	Limit and Units	Sample Frequency	Sample Type	Notes
Flow Rate		gal/month	Monthly	Total Monthly	
Nitrogen, Total Kjeldahl		mg/L	Annual	Composite	
Chloride		mg/L	Annual	Composite	
pH Field		su	Annual	Composite	
Phosphorus, Total		mg/L	Annual	Composite	

Changes from Previous Permit:

None

Explanation of Limits and Monitoring Requirements

Requirements for land application of industrial wastewater are determined in accordance with ch. NR 214 Wis. Adm. Code. This outfall is maintained to cover any discharge to the single land application site approved for the permittee's use.

Permittee has not land applied any of the facility process wastewater during the current permit term. There is one site approved for Deppler to use for land application. The only time the facility would be likely to land apply process wastewater would be if they were unable to spray irrigate it. This is an emergency back up outfall for handling process wastewater. After the permit is issued this outfall will be inactivated in the database and reports will not be created unless facility contacts the department to notify us that they will be land applying wastewater.

3 Schedules

3.1 Land Treatment Annual Report

Required Action	Due Date
Submit Annual Land Treatment Report #1: Submit the Annual Land Treatment Report by January 31st for the previous calendar year.	01/31/2023
Submit Annual Land Treatment Report #2: Submit the Annual Land Treatment Report by January 31st for the previous calendar year.	01/31/2024
Submit Annual Land Treatment Report #3: Submit the Annual Land Treatment Report by January 31st for the previous calendar year.	01/31/2025
Submit Annual Land Treatment Report #4: Submit the Annual Land Treatment Report by January 31st for the previous calendar year.	01/31/2026
Submit Annual Land Treatment Report #5: Submit the Annual Land Treatment Report by January 31st for the previous calendar year.	01/31/2027

3.2 Chloride Source Reduction Measures (SRMs) for Groundwater Discharges

Required Action	Due Date
Annual Progress Report: A chloride reduction plan (CRP) is approved by the Department. The permittee shall submit an annual progress report, under the authority of s. NR 205.07(1)(h), Wis. Adm. Code. Submittal of an annual progress report is required by the Date Due.	01/31/2023
Second Annual Progress Report: Submit progress report in implementing the chloride reduction plan (CRP).	01/31/2024
Third Annual Progress Report: Submit progress report in implementing the chloride reduction plan (CRP).	01/31/2025
Fourth Annual Progress Report: Submit progress report in implementing the chloride reduction plan (CRP).	01/31/2026
Final Annual Progress Report: Submit progress report in implementing the chloride reduction plan (CRP).	01/31/2027

Explanation of Schedules

An annual report for the land treatment system is required in the conditions of the permit, this schedule is to serve as a reminder for the permittee.

The permittee submitted a Chloride Reduction Plan in March of 2018 for approval. Annual reports are required in the permit reissuance to document the continued work in maintaining chloride source reduction measures.

Attachments:

Proposed Expiration Date:

3/31/2027

Prepared By:

Brenda Howald Wastewater Specialist

Date: [1/18/2022](#)

cc: [Tanner Connors](#)